# Mountain Weather Forecast

## Snowdonia National Park

Forecast valid from 06:00 on Tuesday 07 Dec 2021 until 23:59 on Wednesday 08 Dec 2021

Forecast Issued on Tuesday 07 Dec 2021 at 02:33

**Confidence:** High confidence for the arrival of Storm Barra on Tuesday bringing severe gales.

**Headline for Tuesday 07 Dec 2021:** A stormy day with severe gales for North Wales and a periods or rain, sleet and snow giving some very poor conditions.

**Mountain weather hazards on Tuesday 07 Dec 2021**

**Blizzards**
Medium Likelihood

**Heavy Snow**
Medium Likelihood

**Storm force winds**
High Likelihood

**Gales**
High Likelihood

**Severe chill effect**
High Likelihood

**Poor visibility**
Medium Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
Medium Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 800m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Partly cloudy (night) | Heavy snow | Heavy Rain | Heavy snow showers | Heavy snow showers (night) | Heavy snow showers (night) |
| Precipitation probability | | | | | |
| 20% | 40% | >95% | 60% | 80% | 80% |

**Forecast for Tuesday 07 Dec 2021**

**Weather:** A brief brighter start to the day but winds strengthening soon after dawn and cloud beginning to thicken from the west. A band of heavy rain, sleet and some snow will spread across the area through the morning accompanied by severe gales and storm force gusts on higher peaks. Snow is likely above 200-300m initially but tending to become a mix of rain and sleet through the morning. A severe wind chill is expected with very poor conditions and a risk of blizzard conditions over the high ground. Rain will clear into the afternoon, to give generally brighter conditions but frequent wintry showers are soon expected, again accompanied by some very strong gusts, storm force on the tops, and there is a risk of blizzard conditions at times.

**Chance of cloud free mountain/hill tops above 800m:** 10% during the morning as the band of rain, sleet and snow crosses the area. Conditions improving to 40% during the afternoon, with some brightness but widespread showers

**Visibility:** Visibility rapidly deteriorating through the morning as widespread low cloud spreads across the areas, cloud bases are expected to be broken or overcast above around 400m. Very poor conditions are likely on the tops at times as sleet, snow and heavy rain moves through. Brief periods of better visibility are likely into the afternoon but any wintry showers will soon cause it to deteriorate again.

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**Forecast for Tuesday 07 Dec 2021**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 31/36 SE | 56/66 SE | 59/72 SE | 50/62 S | 58/73 S | 47/60 S | 38/48 SW |
| **600** | 24/30 SE | 42/53 SE | 47/59 SE | 39/51 S | 44/58 S | 34/45 S | 28/37 SW |
| **300** | 16/28 SE | 31/49 SE | 33/54 SE | 26/45 S | 31/53 S | 22/40 S | 18/32 SW |
| **Valley** | 16/28 SE | 31/49 SE | 34/55 SE | 26/44 S | 31/52 S | 22/40 S | 18/31 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -2/-10 | -2/-12 | -1/-11 | -0/-10 | -1/-11 | -0/-10 | -1/-10 |
| **600** | 2/-5 | 0/-8 | 2/-7 | 2/-6 | 1/-7 | 2/-6 | 1/-6 |
| **300** | 3/-2 | 2/-5 | 4/-3 | 5/-1 | 3/-4 | 4/-2 | 3/-2 |
| **Valley** | 4/-0 | 4/-3 | 5/-2 | 6/0 | 5/-2 | 5/-0 | 4/-0 |
| **Freezing Level*** | 400m | 600m | 800m | 800m | 800m | 800m | 700m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Extremely hazardous conditions on Tuesday with storm force gusts likely, particularly around mid-afternoon, 90mph will be possible higher on Snowdon. Note the extreme wind chill. Winds are also likely to cause blizzards conditions at times.

**Forecast for Wednesday 08 Dec 2021**

**Weather:** A stormy start to Wednesday with frequent snow showers above 800m and westerly gales continue overnight. This will continue for much of the day with some showers turning heavy and a risk of thunder too, showers will increasingly turn to sleet or rain by the end of the day. Winds ease slightly during the afternoon.

**Maximum wind:** Westerly 35 gusting 50-60 mph to start, gradually easing and becoming northwesterly 30 gusting 40-45 mph later.

**Chance of cloud free mountain/hill tops above 800m:** 30% associated with frequent showers during the day, a few brighter spells but these will be hard to find.

**Visibility:** Cloud is likely to be broken above around 500m with some patchy cloud below this, particularly in the west and visibility poor in showers at times.

**Temperature:** **Valleys:** Plus 4 Celsius.
**At 800m:** Minus 1 rising to Plus 1 Celsius by evening.
**Freezing level:** 600m rising to 900m

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**Ground Conditions Supplement**
Please see - https://www.eryri.llyw.cymru/visiting/walking/ground-conditions
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